

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets

(11)



EP 1 225 475 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

24.07.2002 Bulletin 2002/30

(51) Int Cl.7: G03D 15/00

(21) Application number: 02075079.0

(22) Date of filing: 09.01.2002

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 22.01.2001 US 766917

(71) Applicant: EASTMAN KODAK COMPANY
Rochester, New York 14650 (US)

(72) Inventors:

• Fenton, David E., c/o Eastman Kodak Company
Rochester, New York 14650-2201 (US)

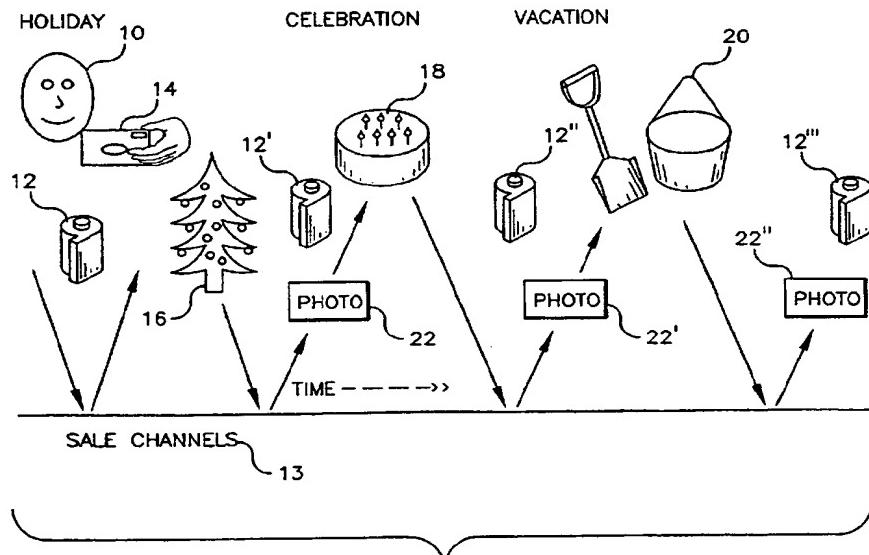
- Lam, Wai K., c/o Eastman Kodak Company
Rochester, New York 14650-2201 (US)
- Mizelle, Steven L., c/o Eastman Kodak Company
Rochester, New York 14650-2201 (US)

(74) Representative:
Nunney, Ronald Frederick Adolphe
Kodak Limited
Patent Department
Headstone Drive
Harrow Middlesex HA1 4TY (GB)

(54) A method of providing photographic products and services

(57) A method of providing photographic products and services, includes the steps of: selling a photographic film product to a customer; partially exposing the

photographic film product; returning the partially exposed photographic film product to a photofinisher; and providing credit to the customer for the unexposed portion of the photographic film product.



Description

[0001] The present invention relates to sales of photographic products and photofinishing services, and more particularly to the sale of photographic film.

[0002] In photography, it is often the case that the photographer will have a partially completed roll of film in the camera at the end of a vacation or special event. Oftentimes the photographer will wait until the roll is completely exposed before submitting the roll for photofinishing. This is believed to be due to the frugal nature of the consumer. This behavior often results in a delay of several months, or even years before the roll of film is processed, thereby delaying the viewing of the captured images and reducing the satisfaction of the overall picture taking experience. At the output of photofinishing operations, it is common to see Christmas pictures on the same roll as summer vacation pictures. This delay is believed to be a significant restriction on the overall growth of the photographic market. With the recent development of widely available film scanning and digitization and Internet sharing of images, this delay can be an even greater impediment to the expanded use of these digital image services.

[0003] It has long been recognized that chemical-based imaging provides a superior format for creating digital pictures. One severe limitation to use of digitization is the delay involved in completing a roll of film. Images recorded on film may change during extended storage between the time the picture is taken and the time the picture is processed. Harsh storage conditions - high temperature and/or high humidity - can deteriorate the image; radiation damage can also affect high-speed films. It is therefore desirable to process images as soon after they are exposed as is reasonably possible.

[0004] There is a need therefore for an improved method for providing photographic products and services that avoids the problems of delay noted above.

[0005] The need is met according to the present invention by providing a method of providing photographic products and services, that includes the steps of: selling a photographic film product to a customer; partially exposing the photographic film product; returning the partially exposed photographic film product to a photofinisher; and providing credit to the customer for the unexposed portion of the photographic film product.

[0006] The present invention has the advantage that the cost barrier to developing partial rolls is eliminated when credit is given for the unused frames. Without fear of wasting money, the photographer feels free to immediately process any partial rolls of film and obtain the images. Thus a photographer can "file" or utilize pictures in an event-based time frame. With this invention, the photographer need not wait to complete the roll, and can feel free to immediately process and digitize - again without fear of wasting money invested in the whole roll of film.

[0007] Many events occur under varying lighting con-

ditions. For example, a wedding may involve indoor and outdoor photography. The desire to match film capability to the conditions can proceed without penalty. Some film format systems, such as APS, are designed to allow mid-roll film changes. With this invention any film can be used in this manner. This invention encourages the photographer to process the film immediately and deliver the best possible images.

10 **[0008]** Fig. 1 is a schematic diagram illustrating the conventional model for providing photographic products and services; and

15 **[0009]** Fig. 2 is a schematic diagram illustrating a model for providing photographic prints according to the present invention.

[0008] Fig. 1 illustrates the conventional model for providing photographic products and services for amateur photographers. A customer **10** purchases film **12**

20 (or a one time use camera) from a sales channel **13**, such as a drug store or photo shop. The film can be for example conventional 35 mm or APS film. The customer **10** uses the film in a camera **14** to capture images of scenes such as a holiday image **16**, a birthday image

25 **18**, and a vacation image **20** until the entire roll of film is exposed. The customer **10** submits the film **12** for processing, and photographic prints **22** are returned to the customer. This activity may occur over a period of time stretching from hours to months, sometimes even

30 to years.

[0009] Referring to Fig. 2, according to one embodiment of the present invention, a customer **10** purchases a roll of film **12** from a sales channel **13** and uses the film to capture one or more images **16** of a single event

35 such as a holiday celebration. After the event, the film **12** is submitted to the sales channel **13** for processing and prints **22** and/or digital image file or image bearing products such as T-shirts, mugs, mouse pads, album pages, etc. are returned to the customer. The customer

40 **10** may purchase a new roll of film **12'** at this time. The film may be purchased at any film sales location, or via the internet. Any unused frames of film from the original roll **12** are counted and credited to the customer **10**. The credits can be given and/or taken in various forms such

45 as coupons which could be redeemed for discounts, or free films and processing; reprints; digitization and digital services; picture CDs; digital picture storage; etc. Credits can be awarded to a customer account, for example if the customer is a member of an online image

50 fulfillment service. Credits may also be awarded and tracked using a customer loyalty card that contains a link to a customer database where credits are stored until they are used.

[0010] The process can then be repeated for different occasions such as birthdays **18** and vacations **20**, each time giving the customer a credit for unused frames on the rolls of film **12'**, **12"**, **12'''**, etc. The process of giving credits for the unused frames of film constitutes the in-

vention that has not been practical and is not practiced at this time. This novel practice provides advantages to the customer as well as to the photo products sales channel since the customer gets more timely access to their pictures and the photo products sales channel does more business.

[0011] The process can also be used for special events like a visit to a theme park, a ballgame, concert or auto race. In this scenario, the customer purchases a one-time use camera or a roll of film from a vendor at the event, uses the camera or roll of film at the event, returns the camera or film roll to the vendor when leaving the event and receives credit for unused frames on the roll of film. The credit would arrive with delivery of photographic prints or other photographic products or services, such as digital images, mugs, T-shirts, key chains, etc. The credit can be limited to purchasing event related memorabilia, or event related images taken by a professional photographer.

Claims

1. A method of providing photographic products and services, comprising the steps of:

- a) selling a photographic film product to a customer;
- b) partially exposing the photographic film product;
- c) returning the partially exposed photographic film product to a photofinisher; and
- d) providing credit to the customer for the unexposed portion of the photographic film product.

2. The method claimed in claim 1, wherein the photographic film product is a roll of photographic film.

3. The method claimed in claim 1, wherein the photographic film product is a one-time use camera.

4. The method claimed in claim 1, wherein the credit is in the form of certificates for photographic products or services.

5. The method claimed in claim 4, wherein the credit for photographic product or services are photofinishing services.

6. The method claimed in claim 4, wherein the credit for photographic product or services are credits towards the purchase of film or one-time use cameras.

7. The method claimed in claim 4, wherein the credit for photographic product or services are credits toward the purchase of photographic equipment.

8. The method claimed in claim 4, wherein the credit for photographic product or services are credits toward the purchase of photographic digitization services.

9. The method claimed in claim 9, wherein the photographic digitization services are storage on and access to digital images on the Internet.

10. The method claimed in claim 1, wherein the photographic film product is an APS cartridge.

11. The method claimed in claim 1, wherein the method is used at a special events where the customer purchases the photographic film product from a vendor at the event, uses the photographic film product at the event, and returns the photographic film product to the vendor when leaving the event.

12. The method claimed in a claim 12, wherein the credit arrives with delivery of processed images or other photographic services from the vendor.

13. The method claimed in claim 13, wherein the credit is limited to purchasing event related memorabilia, or event related images taken by a professional photographer.

25

30

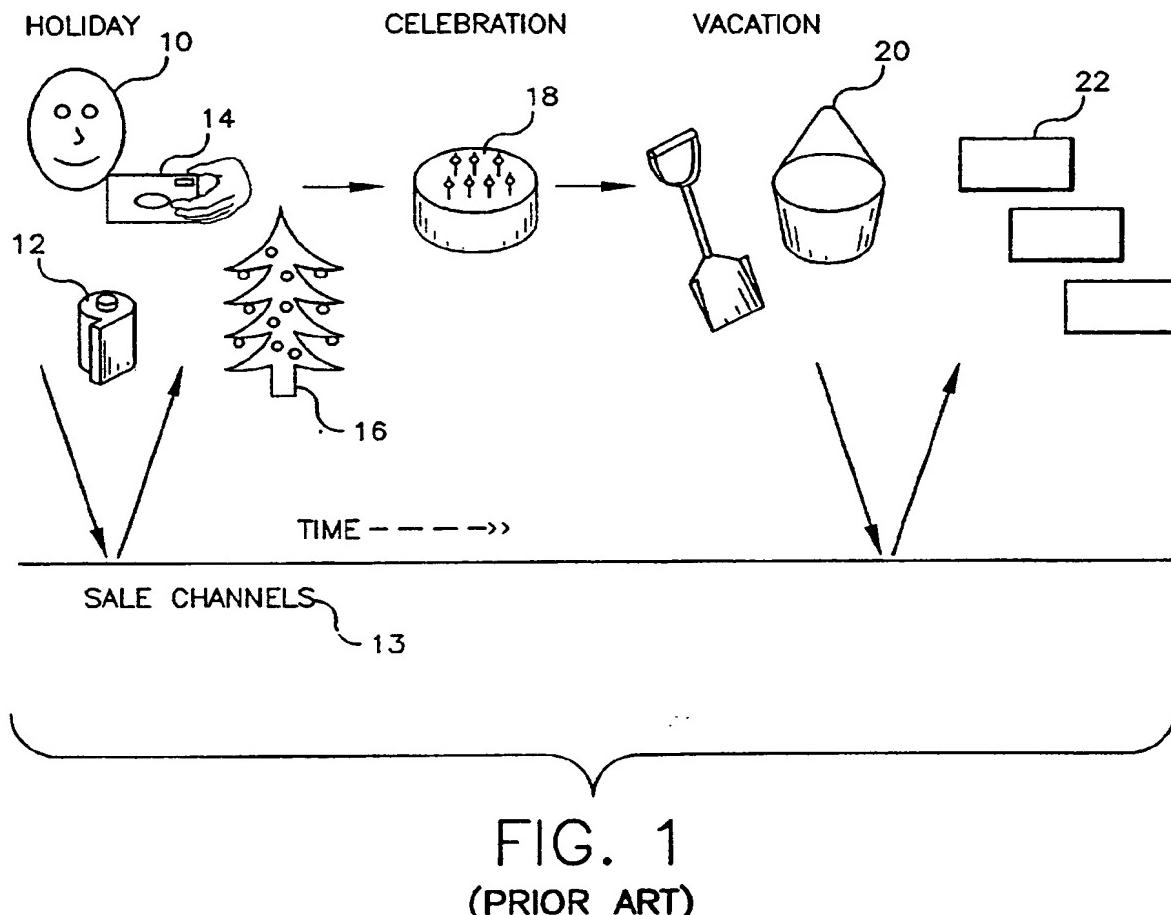
35

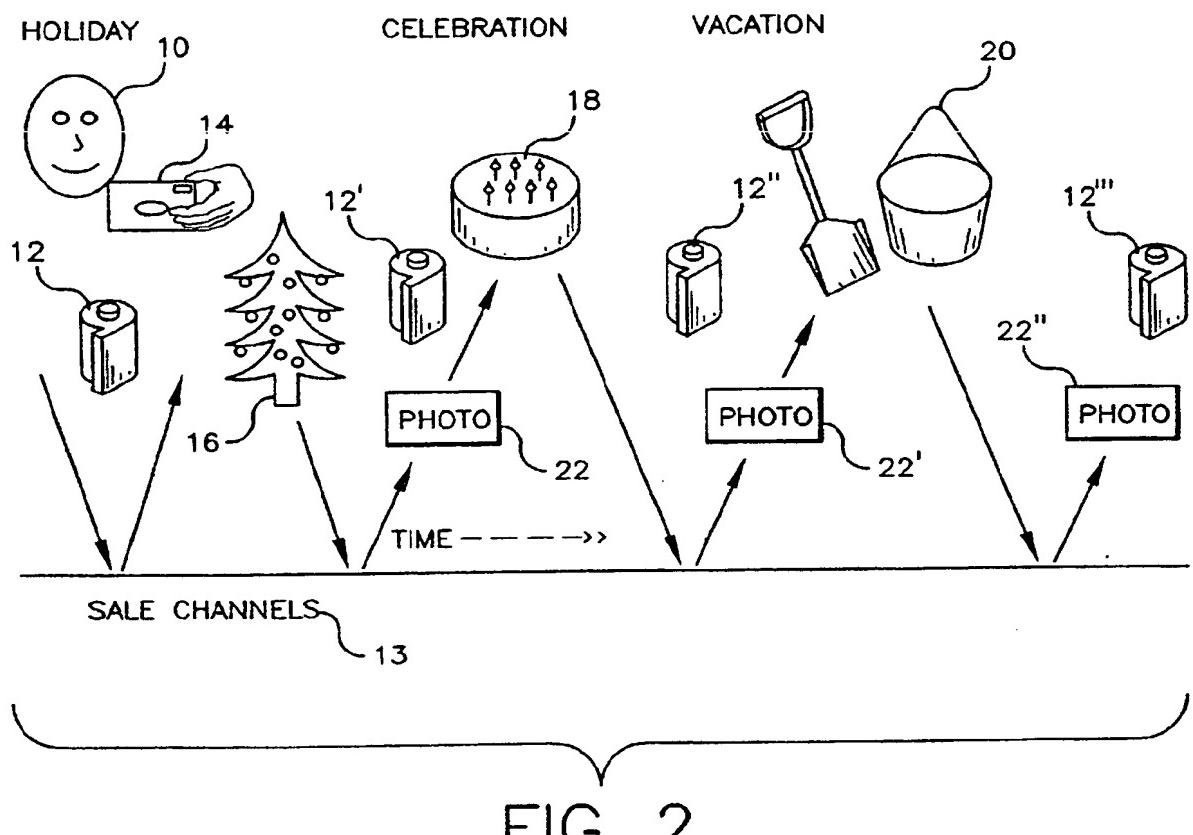
40

45

50

55







European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 02 07 5079

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	EP 0 809 149 A (EASTMAN KODAK CO.) 26 November 1997 (1997-11-26) * column 3 - column 6; figures 1-5 *	1	G03D15/00
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G03D G06F
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	26 April 2002	Boeykens, J	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 07 5079

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-04-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 809149	A	26-11-1997	US CA CN EP	5808723 A 2203356 A1 1172275 A 0809149 A1	15-09-1998 21-11-1997 04-02-1998 26-11-1997

EDO FORM 10450

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

THIS PAGE BLANK (USPTO)